

EXCIMER LASER ABLATION PROCESS CONTROL
OF MULTILAMINATE MATERIALS

ABSTRACT OF THE DISCLOSURE

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The instant invention discloses a method of ablating holes in a material, using a laminated material comprising first and second layers, said first and second layers having different coefficients of thermal expansion, said first layer having within it a hole, wherein a target region of said second layer in said laminated material is not laminated to said first layer but is surrounded entirely by laminated regions wherein the first layer is laminated to the second layer; providing a laser source producing energy of a wavelength and a power level that can ablate material from said first layer; changing the temperature of the laminated material so as to place said target region under tension; and directing said laser source onto said target region and ablating a portion thereof.

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